

ABSTRACT OF THE DISCLOSURE**HIGH VOLTAGE RESISTANCE,
PARTICULARLY FOR CURRENT LIMITATION
IN A MICROWAVE PROGRESSIVE WAVE TUBE EMITTER**

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This invention relates to a high voltage resistance. The resistance comprises at least one organic substrate (21) and a flat conductor (22) with length L , width ℓ fixed to the organic substrate and with a given resistivity ρ and a thickness ε , the value R of the resistance being equal to $\rho L / \ell e$, the values of
10 the length L , width ℓ being defined such that the mass of the flat conductor (22) is sufficient to resist electrical arcing without exceeding a given temperature. This invention is particularly applicable for current limitation resistances in microwave progressive wave tube emitters, used for example in airborne radar systems.